REMARKS

I. Status of the Application:

Claims 1-31 are currently pending.

By this Amendment, claim 1 has been amended, and new claims 32-43 have been added. The specification has also been amended to address minor informalities (e.g., typographical errors). No new matter has been introduced by this Amendment. Entry of this amendment before examination on the merits is respectfully requested.

Upon entry of this Amendment, claims 1-43 would be pending.

II. Rejections Under 35 U.S.C. §103:

Claims 1-2, 4, 8-10, 13-15, 17, 19, 21, 24-29 and 31 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek (US 2003/0032422) in view of Yoshii et al. (US 6,993,343). Claims 3, 16 and 30 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek in view of Yoshii et al. as applied to claims 14 and 15, and further in view of Grilli et al. (US 2005/0193309). Claim 5 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek in view of Yoshii et al. as applied to claim 1, and further in view of Batra et al. (US 2005/0078598). Claim 6 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek in view of Yoshii et al. further in view of Batra et al. and further in view of Choi (US 2004/0219897). Claims 7, 12, 18 and 23 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek in view of Yoshii et al. as applied to claim 14, and further in view of Hochmair et al. (US 2005/0283207). Claims 11 and 22 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Wynbeek in view of Yoshii et al. as applied to claim 14, and further in view of Kotzin (US 2004/0204076).

Claim 1 is directed to a method which involves providing a first wireless communications link and a second wireless communications link. The first wireless communications link is a UWB transmission link and the second wireless communications link is a different type of wireless communications link for communicating error control data for the UWB transmission link.

For the Examiner's reference, the following example is provided involving a two device (e.g., receiving device and transmitting device) scenario in which a first communications link may be employed as the data transfer link (e.g., communicate payload data), and the second communications link may be employed to communicate error control data. In this situation, when the receiving device needs to provide error control data information back to the transmitting device, the data is processed and then routed to the receiving device's transceiver for transmission across the second communications link to the transmitting device. Upon receipt of the error control data information by the transmitting device's transceiver for communicating across the second communications link, the error control data is routed to the transmitting device's transceiver for communicating across the first communications link to perform processing thereof so that payload data transmissions can be arranged based on received control data. Such an arrangement allows, for example, among other things the first communications link to be freed from the overhead of communicating error control data.

Turning to the cited references, the Wynbeek reference, as indicated by the Examiner, teaches a method and system between a base station and a mobile terminal wherein both devices have two radio interfaces so that there can be two wireless links between the devices. However, Wynbeek describes a power saving scheme for wireless communications between a base station and a mobile terminal using asynchronous links that provide optimal

power savings. As acknowledged by the Examiner, Wynbeek is silent as to the use of either one of the two communication links for providing error control data for the other communication link. As such, in Wynbeek, data transmitted through the second link also does not change the way data is arranged to be transmitted through the first link or vice versa.

The Examiner asserts that Yoshii remedies the deficiencies pertaining to the error control data aspect in the Wynbeek teaching. Specifically, the Examiner cites to the following portions of Yoshii:

> Also, when a data error occurs in a communication system in which an error control of ARQ (Automatic Repeat reQuest) system is carried out, the number of repeat times also becomes large when a lot of time slots are assigned to a communication terminal which has a high possibility of occurrence of data error, since the communication terminal resends a NACK (Negative ACKnowledgment) signal to a base station, and the base station repeats the corresponding data in which an error has occurred. Accordingly, in a communication system in which an error control of ARQ system is carried out, there may be a case where the transmission efficiency of the entire system is reduced adversely when the assignment of time slots is decided while taking account of the transmitted-ratio only and channel quality.
>
> Therefore, in the present embodiment, the assignment of communication resources for each communication terminal is decided while taking account of both transmitted-ratio and the number of repeat times of the data in addition to downlink channel quality in a communication system in which an error control of ARQ system is carried out.
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> Yoshii, col. 5, line 66 to col. 6, line 20.

However, as is evident from the above cited portions of Yoshii, the Yoshii reference only discloses a general level indication that ARQ can be performed as one example of error control data in wireless systems without providing any kind of teaching or suggestion that error control data for a first wireless communications link can or would be transmitted between the devices through a second wireless communications link. Furthermore, the Examiner has not provided

any proper motivational basis for combining or modifying the references in the suggested manner to read on the claims.

Accordingly, claim 1 and its dependent claims are patentably distinguishable over the cited references, individually or in combination. For similar reasons, claims 14 and 25-27 and their dependent claims are also believed to be patentably distinguishable over the cited references, individually or in combination.

CONCLUSION

Based on the foregoing amendments and remarks, the Applicants respectfully request reconsideration and withdrawal of the rejection of claims and allowance of this application.

AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required for consideration of this Amendment to Deposit Account No. 13-4500, Order No. 4208-4153.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 13-4500, Order No. 4208-4153.

Respectfully submitted,
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Dated: 8/4/06 By: _____

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